

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	4
-------	---	----	---

C mplete if Known

Application Number	09/923,179
--------------------	------------

Filing Date	08/06/2001
-------------	------------

First Named Inventor	WHEELER et al.
----------------------	----------------

Art Unit	2132
----------	------

Examiner Name

Attorney Docket Number	10399-34382
------------------------	-------------

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

Date	
Considered	

01/01/00.5

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.¹ Applicant's unique citation designation number (optional).² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Please type a plus sign (+) inside this box → ☐

PTO/SB/08B (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	09/923,179		
		Filing Date	08/06/2001		
		First Named Inventor	Wheeler et al.		
		Group Art Unit	2132		
		Examiner Name			
Sheet	2	of	4	Attorney Docket Number	10399-34382

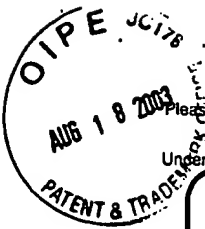
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
VZ	1	PKCS #9, Selected Object Classes and Attribute Types Version 2.0, RSA Laboratories, Redwood City, CA, pp 1-42	
VZ	2	Digital Signature Guidelines Tutorial ; ABA Network, (web site at http://www.abanet.org/scitech/ec/isc/dsg-tutorial.html), date of capture 2/18/2003, pp 1-7	
VZ	3	GERCK, Ed, Overview of Certification Systems: x.509, PKIX, CA, PGP & SKIP - Do you understand digital certificates? Do you know what they warrant? July 18, 2000; pp. 1-18	
VZ	4	LINN, John, Trust Models and Management in Public-Key Infrastructures; RSA Laboratories, November 6, 2000, pp 1-13	
VZ	5	PKCS #5, v2.0: Password-Based Cryptography Standard, RSA Laboratories, Redwood City, CA; March 25, 1999; pp 1-30	
VZ	6	PKCS #9, v2.0: Selected Object Classes and Attribute Types, RSA Laboratories, Redwood City, CA; February 25, 2000; pp. 1-34	
VZ	7	PKCS #10, v1.7: Certificate Request Syntax Standard, RSA Laboratories, Redwood City, CA; May 26, 2000; pp. 1-10	
VZ	8	PCKS #12, v1.0: Personal Information Exchange Syntax, RSA Laboratories, Redwood City, CA; June 24, 1999; pp. 1-23	
VZ	9	PCKS #15: Conformance Profile Specification; RSA Laboratories, Redwood City, CA; August 1, 2000; pp 1-8	
VZ	10	PEPE, Michel; Smart Cards Gaining Traction; CRN.com - Point of Sale: Trends, Markets and Technologies; December 31, 2002, (web site at http://cm.channelsupersearch.com/news/cm/39163.asp) captured on February 18, 2003; pp. 1-2	
VZ	11	Guide to Internet Security; Public Key Cryptography (web site at http://www.e-certify.com/library/pkc_guide.htm) captured on February 18, 2003	

Examiner Signature		Date Considered	01/11/05
--------------------	--	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Please type a plus sign (+) inside this box → ☐

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

PTO/SB/08B (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	09/923,213		
		Filing Date	08/06/2001		
		First Named Inventor	Wheeler et al.		
		Group Art Unit	2132		
		Examiner Name			
Sheet	3	of	4	Attorney Docket Number	10399-34384

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
VZ	12	Private Server Product Description; (web site at http://www.bnn.com.tr/assets/cserver_prodesc.html), date of capture 2/18/2003; pp 1-11	
VZ	13	Cylink atm encryptor (web site at http://securitytools.hypermart.net/security_1/cylink_atm_encryptor.html), date of capture 2/18/2003, p1	
VZ	14	BAL's PGP Public Key Server; The Computer Law Resource 1996; (web site at http://www.complaw.com/pgp/webkeyserver.html) date of capture 2/18/2003; pp 1-2	
VZ	15	Baltimore; Solutions; A New Era in Secure and Trusted E-Business; (web site at http://www.baltimore.com/solutions/index.asp) date of capture 2/18/2003; p 1	
VZ	16	(PGP) Pretty Good Privacy; What's? com; December 27, 2000; (web site at http://whatis.techtarget.com/Whats_Definition_Page/0,4152,214292,00.html) date of capture 12/27/2000; pp 1-3	
VZ	17	An Introduction to Cryptography; Network Associates, Inc. PGP, Version 6.5.1; June 1999; pp. 1-88	
VZ	18	TURNBILL, Jim; "Cross-Certification and PKI Policy Networking"; Entrust, Inc; August 2000; pp 1-10	
VZ	19	Some Suggestions for Automatic Encryption and Identity Verification in the IBM Internal Computing Network; December 28, 1985; pp 1-13	
VZ	20	ARTHUR, Dwight; AADS Option for Buyer Authentication; Response to NACHA/IC ANT 2 RFI; September 14, 1998; pp 1-3	
VZ	21	Internet Counsel; Consumer Internet Purchases Using ATM Cards Successfully Processed by NACHA Pilot Participants; February 23, 2003; pp 1-4	
VZ	22	Internet Counsel; NACHA to Test ATM Card Payments for Consumer Internet Purchases; February 23, 2003; pp 1-3	

RECEIVED

AUG 19 2003

Technology Center 2100

Examiner Signature		Date Considered	01/11/05
--------------------	--	-----------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/08B (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known <table border="1"> <tr> <td>Application Number</td> <td>09/923,179</td> </tr> <tr> <td>Filing Date</td> <td>08/06/2001</td> </tr> <tr> <td>First Named Inventor</td> <td>Wheeler et al.</td> </tr> <tr> <td>Group Art Unit</td> <td>2132</td> </tr> <tr> <td>Examiner Name</td> <td></td> </tr> <tr> <td>Attorney Docket Number</td> <td>10399-34382</td> </tr> </table>		Application Number	09/923,179	Filing Date	08/06/2001	First Named Inventor	Wheeler et al.	Group Art Unit	2132	Examiner Name		Attorney Docket Number	10399-34382
Application Number	09/923,179																
Filing Date	08/06/2001																
First Named Inventor	Wheeler et al.																
Group Art Unit	2132																
Examiner Name																	
Attorney Docket Number	10399-34382																
Sheet	4	of	4														

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²		
KJ	23	News Release: Digital Signatures Can Secure ATM Card Payments on the Internet, NACHA Pilot Concludes; July 23, 2001; pp 1-2			
KJ	24	KUTLER, Jeffrey; Privacy Broker: Likely Internet Role for Banks? Digital Frontiers; October 8, 1998; pp 1-6			
KJ	25	HETTINGA, BOB, Hettiga's Best of the Month, Journal of Internet Banking and Commerce; Array Development, March 31, 1999, web site at http://www.arraydev.com/commerce/JIBC/9801-20.htm, pp. 1-4.			
KJ	26	DENNY, STEPHANIE, The Electric Commerce Challenge, Journal of Internet Banking and Commerce; Array Development, March 31, 1999, web site at http://www.arraydev.com/commerce/JIBC/9811-06.htm, pp 1-2.			

RECEIVED

AUG 19 2003

Technology Center 2100

Examiner Signature		Date Considered	01/11/05
-----------------------	---	--------------------	----------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**



Electronic Information Disclosure Statement

Account-Based Digital Signature (ABDS) Systems

Application: 
09/923179

Confirmation: 2029

Applicant(s): Lynn Wheeler

Docket Number: 10399-34382

Group Art Unit: 2132

Examiner: ZAND, Kambiz

RECEIVED







JAN 29 2003

Technology Center 2100

(5970147 or 6023509 or 6044154 or 6047051 or 6084969 or 6092202 or 6105012 or 6108644 or 6111956 or 6134325 or 6161180 or 6161181 or 6167518 or 6202151 or 6230269 or 6192130 or 6199052 or 6243812 or 6263447 or 4734564 or 48885788 or 5453601 or 5534855 or 6154543 or search string: 5903882 or 59433423 or 6189096 or 6233565 or 6285991 or 6240091 or 5928298 or 5778072 or 5878172 or 6009177 or 6021202 or 6243812 or 5671285 or 5455865 or 5577120 or 5677955 or 5963648 or 6205437 or 5209208 or 5745886 or 6299062 or 6144949 or 6299062 or 5963648 or 5677120 or 20010000535).pn.











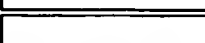





US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
	P01	5970147	1999-10-19		Davis		
	P02	6023509	2000-02-08		Herbert		
	P03	6044154	2900-03-28		Kelly		


P23	5534855	1996-07-09		Shockley et al.
P24	6154543	2000-11-28		Baltzley
P25	5903882	1999-05-11		Asay et al.
P26	59433423	1999-08-24		Muftic
P27	6189096	2001-02-13		Haverty
P28	6233565	2001-05-15		Lewis et al.
P29	6285991	2001-09-04		Powar
P30	6240091	2001-05-29		Ginzboorg et al.
P31	5928298	1991-07-21		Tanaka
P32	5778072	1998-07-07		Samar
P33	5878172	1998-07-28		Arnold
P34	6009177	1999-12-28		Sudia
P35	6021202	2000-02-01		Anderson et al.
P36	6243812	2001-06-05		Matyas et al.
P37	5671285	1997-09-23		Newman
P38	5455865	1995-10-03		Pearlman
P39	5577120	1996-11-19		Penzias
P40	5677955	1997-10-14		Doggett et al.
P41	5963648	1999-10-05		Rosen

V2	P04	6047051	2000-04-04	V2	Ginzboorg et al.	
V2	P05	6084969	2000-07-04	V2	Wright	
V2	P06	6092202	2000-07-18	V2	Veil et al.	
V2	P07	6105012	2000-08-15	V2	Chang	
V2	P08	6108644	2000-08-22	V2	Goldschlag et al.	
V2	P09	6111956	2000-08-29	V2	Field et al.	
V2	P10	6134325	2000-10-17	V2	Vanstone	
V2	P11	6161180	2000-12-12	V2	Matayas et al.	
V2	P12	6161181	2000-12-12	V2	Haynes, III et al.	
V2	P13	6167518	2000-12-26	V2	Padgett et al.	
V2	P14	6202151	2001-03-13	V2	Musgrave et al.	
V2	P15	6230269	2001-05-08	V2	Spies et al.	
V2	P16	6192130	2001-02-20	V2	Otway	
V2	P17	6199052	2001-03-06	V2	Mitty et al.	
V2	P18	6243812	2001-06-05	V2	Matayas et al.	
V2	P19	6263447	2001-07-17	V2	French	
V2	P20	4734564	1988-03-29	V2	Boston et al.	
V2	P21	48885788	1989-12-05	V2	Takaragi et al.	
V2	P22	5453601	1995-09-26	V2	Rosen	

<i>12</i>	P42	6205437	2001-03-20		Gifford	
<i>12</i>	P43	5209208	1991-07-02		Tanaka	
<i>12</i>	P44	5745886	1998-04-28		Rosen	
<i>12</i>	P45	6299062	2001-10-09		Hwang	
<i>12</i>	P46	6144949	2000-11-07		Harris	
<i>12</i>	P47	6299062	2001-10-09		Hwang	
<i>12</i>	P48	5963648	1999-10-05		Rosen	
<i>12</i>	P49	5677120	1997-10-14		Doggett et al.	

Published Applications

Note: Applicant is not required to submit a paper copy of cited US Patent Documents


init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
<i>12</i>	U01	20010000535	2001-04-26		Lapsley et al.		

Remarks

(Remarks are not for responding to an office action.)

Nothing herein, including the submission of the documents themselves, whether in this or any other filing, constitutes an admission by Applicant that any of the documents is prior art with respect to the present invention, or a waiver of any rights of Applicant. Indeed, while each citation includes a date, it should be understood that, whether expressly stated or not, the date specified in the citation is a date as alleged by the document or otherwise, and Applicant neither admits nor denies the correctness of the specified date at this time. Moreover, with regard to non-patent documents, Applicant neither admits nor denies that each document submitted is, in fact, a publication within the meaning of 35 U.S.C. §102.

Signature

Examiner Name	Date
	01/11/05



Electronic Information Disclosure Statement

Account-Based Digital (ABDS) System

Application:



09/923179

Confirmation: 2029

Applicant(s): Lynn Wheeler

Docket

10399-34382

Number:

Group Art

Unit:

Examiner: ZAND, Kambiz

RECEIVED

JAN 29 2003

Technology Center 2100

search string: 3962539 or 4200770 or 4218582 or 4405829 or 4408203 or 4424414 or 4748668 or 4797290 or 4823388 or 4825050 or 4850017 or 4868877 or 5018196 or 5097504 or 5140634 or 5214703 or 5225978 or 5231668 or 5502766 or 5509071 or 5539828 or 5563946 or 5590197 or 5604801 or 5606609 or 5615266 or 5919574 or 5623637 or 5625690 or 5636280 or 5659616 or 5671279 or 5788953 or 5694471 or 5708780 or 5715314 or 5721779 or 5724424 or 5751813 or 5781723 or 5768640 or 5812666 or 5848161 or 5862327 or 5878142 or 5887131 or 5910989 or 5910988 or 5949881 or 5956404).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
1/4	P01	3962539	1976-09-08		Ehram et al.		
1/2	P02	4200770	1980-04-29		Hellman et al.		
1/2	P03	4218582	1980-08-19		Hellman et al.		
1/2	P04	4405829	1983-09-20		Rivest et al.		
1/2	P05	4408203	1983-10-04		Campbell		
1/2	P06	4424414	1984-01-03		Hellman et al.		

P07	4748668	1988-05-31	Shamir et al.
P08	4797290	1989-10-10	Stein
P09	4823388	1989-04-18	Mizutani et al.
P10	4825050	1989-04-25	Griffith et al.
P11	4850017	1989-07-18	Matyas, Jr., et al.
P12	4868877	1989-01-19	Fischer
P13	5018196	1991-05-21	Takaragi et al.
P14	5097504	1992-03-17	Camion et al.
P15	5140634	1992-08-18	Galliou et al.
P16	5214703	1993-05-25	Massey
P17	5225978	1997-07-06	Petersen et al.
P18	5231668	1993-07-27	Kravitz
P19	5502766	1996-03-26	Boebert et al.
P20	5509071	1996-04-16	Petrie Jr., et al.
P21	5539828	1996-07-23	Davis
P22	5563946	1996-10-08	Cooper et al.
P23	5590197	1996-12-31	Chen et al.
P24	5604801	1997-02-18	Donlon et al.
P25	5606609	1997-02-25	Houser et al.
P26	5615266	1997-03-25	Altschuler et al.
P27	5919574	1997-04-08	Johnson et al.
P28	5623637	1997-04-22	Jones et al.
P29	5625690	1997-04-29	Michel et al.
P30	5636280	1997-06-03	Kelly
P31	5659616	1997-08-19	Sudia
P32	5671279	1997-09-03	Elgamal
P33	5788953	1997-10-14	Dophin
P34	5694471	1997-12-02	Chen et al.
			Levergood et

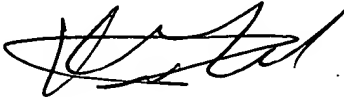
<input checked="" type="checkbox"/>	P35	5708780	1998-01-13	<i>lever good</i>	al. <i>lever good</i>	
<input checked="" type="checkbox"/>	P36	5715314	1998-02-03		Payne	
<input checked="" type="checkbox"/>	P37	5721779	1998-02-24		Funk	
<input checked="" type="checkbox"/>	P38	5724424	1998-03-03		Gifford	
<input checked="" type="checkbox"/>	P39	5751813	1998-05-12		Dorenbos	
<input checked="" type="checkbox"/>	P40	5781723	1998-07-14		Yee et al.	
<input checked="" type="checkbox"/>	P41	5768640	1998-08-18		Davis	
<input checked="" type="checkbox"/>	P42	5812666	1998-09-22		Baker et al.	
<input checked="" type="checkbox"/>	P43	5848161	1998-12-08		Luneau et al.	
<input checked="" type="checkbox"/>	P44	5862327	1999-01-19		Kwang et al.	
<input checked="" type="checkbox"/>	P45	5878142	1993-03-01		Capute et al.	
<input checked="" type="checkbox"/>	P46	5887131	1999-03-23		Angelo	
<input checked="" type="checkbox"/>	P47	5910989	1999-06-08		Naccache	
<input checked="" type="checkbox"/>	P48	5910988	1999-06-08		Ballard	
<input checked="" type="checkbox"/>	P49	5949881	1999-09-07		Davis	
<input checked="" type="checkbox"/>	P50	5956404	1999-09-21		Schneier et al.	

Remarks

(Remarks are not for responding to an office action.)

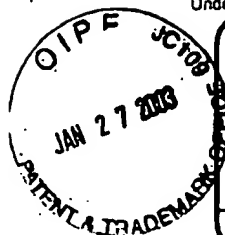
Nothing herein, including the submission of the documents themselves, whether in this or any other filing, constitutes an admission by Applicant that any of the documents is prior art with respect to the present invention, or a waiver of any rights of Applicant. Indeed, while each citation includes a date, it should be understood that, whether expressly stated or not, the date specified in the citation is a date as alleged by the document or otherwise, and Applicant neither admits nor denies the correctness of the specified date at this time. Moreover, with regard to non-patent documents, Applicant neither admits nor denies that each document submitted is, in fact, a publication within the meaning of 35 U.S.C. §102.

Signature

Examiner Name	Date
	d/11/05

Please type a plus sign (+) inside this box ☐

PTO/SB/088 (10-98)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for form 1449B/PTO.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of

Complete if Known

Application Number	09/923,179
Filing Date	8/6/2001
First Named Inventor	Wheeler et al.
Group Art Unit	2132
Examiner Name	ZAND, Kambiz
Attorney Docket Number	10399-34382

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
VA	1.	BURTON S. KALISKI, JR., Some Examples of the PKCS Standards, An RSA Laboratories Technical Note, 11-1-93, RSA Laboratories, Redwood City, CA, pp. 1-15	
VA	2.	BURTON S. KALISKI, JR., A Layman's Guide to a Subset of ASN.1, BER, and DER, An RSA Laboratories Technical Note, 11-1-93, RSA Laboratories, Redwood City, CA, pp. 1-36	
VA	3.	PKCS Editor, PKCS #1 v2.1: RSA Cryptography Standard, RSA Laboratories, Draft 2, 1-5-2001, RSA Laboratories, Bedford, MA, pp. 1-60	
VA	4.	PKCS #3: Diffie-Hellman Key-Agreement Standard, An RSA Laboratories Technical Note, Version 1.4, 11-1-93, RSA Laboratories, Redwood City, CA, pp. 1-8	
VA	5.	PKCS #6: Extended-Certificate Syntax Standard, An RSA Laboratories Technical Note, 11-1-93, Version 1.5, RSA Laboratories, Redwood City, CA, pp. 1-11	
VA	6.	PKCS #8: Private-Key Information Syntax Standard, An RSA Laboratories Technical Note, 11-1-93, Version 1.2, RSA Laboratories, Redwood City, CA, pp. 1-5	
VA	7.	MICHAEL J. WIENER, Performance Comparison of Public-Key Cryptosystems, The Technical Newsletter of RSA Laboratories, a division of RSA Data Security, Inc., Summer 1998, Vol. 4, Number 1, RSA Laboratories, San Mateo, CA, pp. 1-23	
VA	8.	GEORGE APOSTOLOPOULOS, et al., Securing Electronic Commerce: Reducing the SSL Overhead, IEEE Network, July/Aug. 2000, Vol. 14, Issue 4, pp. 1-16	
VA	9.	UELI MAURER, Modelling a Public-Key Infrastructure, Sept. 1996, Proc. 1996 European Symposium on Research in Computer Security, Lecture Notes in Computer Science, Berlin: Springer-Verlag, Rome, Italy, Department of Computer Science, Swiss Federal Institute of Technology, Zürich, Switzerland, pp. 1-26	
VA	10.	Security Requirements for Cryptographic Modules, Federal Information Processing Standards Publication 140-1, 1-11-94, pp. 1-45, CSL Bulletin For FIPS 140-1 pp. 1-6, Validated FIPS 140-1 Cryptographic Modules 2001, 2000, 1999, 1998, 1997-95, pp. 1-14	
VA	11.	MARK HEROUX, A Private Key Storage Server for DCE -- Functional Specification, Open Software Foundation Request for Comments: 94.1, November 1996, (web site at http://www.opengroup.org/rfc/mirror-rfc/rfc94.1.txt), date of capture 6/13/01, pp. 1-73	

Examiner
Signature

Date
Considered

01/11/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐

PTO/SB/08B (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet **2** of **3**

Complete If Known

Application Number	09/923,179
Filing Date	8/6/2001
First Named Inventor	Wheeler et al.
Group Art Unit	2132
Examiner Name	ZAND, Kambiz
Attorney Docket Number	10399-34382

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
WZ	12.	PETER COX, Bench-Marking SmartGate, Establishing the Scalability of V-ONE's SmartGate Security System, Internet SmartWare Ltd., 7-24-97, pp. 1-7	
WZ	13.	Answers to Frequently Asked Questions about Today's Cryptography, RSA Data Security, Inc., 10-5-1993, Revision 2.0, pp. 1-44	
WZ	14.	Announcing the Standard for Digital Signature Standard (DSS), Federal Information Processing Standards Publication 186, 5-19-94, pp. 1-18	
WZ	15.	SHARON BOEYEN, Certificate Policies and Certification Practice Statements, Entrust Technologies White Paper, February 1997, Version 1.0, pp. 1-7	
WZ	16.	Public-Key Infrastructure (PKI) - The VeriSign Difference, 2-3-2001, Copyright 1999, VeriSign, Inc., pp. 1-21	
WZ	17.	THIERRY MOREAU, Thirteen Reasons to Say 'No' to Public Key Cryptography, Draft paper, 3-4-98, CONNOTECH Experts-Conseils, Inc., Montréal, Québec, Canada, pp. 1-5	
WZ	18.	"X9 Overview," American Bankers Association web page (web site at http://www.x9.org/aboutX9.htm), 1998, date of capture 1/11/99, 3 pp.	
WZ	19.	July 1997 Meeting Report, Electronic Payments Forum (web site at http://www.epf.net/PrevMtngs/July97Mtng/July97Report.htm), date of capture 1/11/99, 2 pp.	
WZ	20.	Hettinga's Best of the Month, Journal of Internet Banking and Commerce, 1-5-98, (web site at http://www.arraydev.com/commerce/JIBC/9801-20.htm), date of capture 1/11/99, 6 pp.	
WZ	21.	BURTON S. KALISKI JR., An Overview of the PKCS Standards, An RSA Laboratories Technical Note, 11-1-93, RSA Data Security, Inc. Public-Key Cryptography Standards (PKCS), pp. 1-27	
WZ	22.	Public Key Cryptography, NIST Special Publication 800-2, April 1991, reprinted at http://csrc.nist.gov/publications/nistpubs/800-2/800-2.txt , pp. 1-138	

Examiner
Signature

[Handwritten Signature]

Date
Considered

9/11/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box ☐

PTO/SB/088 (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 3 of

Complete if Known

Application Number	09/923,179
Filing Date	08/06/2001
First Named Inventor	Wheeler et al.
Group Art Unit	2132
Examiner Name	ZAND, Kambiz
Attorney Docket Number	10399-34383

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
KA	23.	Guideline for Implementing Cryptography in the Federal Government, NIST Special Publication 800-21, November 1999, pp. 1-138	
KA	24.	Guideline for the Use of Advanced Authentication Technology Alternatives, FIPS Publication 190, September 28, 1994, reprinted at http://csrc.nist.gov/publications/fips/fips190/fip190.txt , pp. 1-55	
KA	25.	Building A Foundation of Trust in the PC, The Trusted Computing Platform Alliance, January 2000 (web site at http://www.trustedpc.org), pp 1-9	
KA	26.	Trusted Platform Module (TPM) Security Policy (A Part of the "TCPA Security Policy"), Version 0.45, October 2, 2000, pp. 1-13	
KA	27.	Trusted Platform Module Protection Profile (TPMPP) (A Part of the "TCPA Security Policy"), Version 0.45, September 14, 2000, pp. 1-151	
KA	28.	TCPA PC Specific Implementation Specification, Version 0.95, July 4, 2001, pp. 1-70	
KA	29.	Common Criteria for Information Technology Security Evaluation, Smart Card Security User Group, Smart Card Protection Profile, draft Version 2.1d, March 21, 2001, pp. 1-194	
KA	30.	X9.84-2000, Biometric Information Management and Security for the Financial Services Industry, draft version, December 2000, pp. 1-141	
KA	31.	Security Requirements for Cryptographic Modules, FIPS Publication 140-2, May 25, 2001, pp. 1-62	
KA	32.	Secure Hash Standard, FIPS Publication 180-1, April 17, 1995, pp. 1-24	
KA	33.	Digital Signature Standard (DSS), FIPS Publication 186-2, January 27, 2000, pp. 1-72	

Examiner
Signature

Date
Considered

01/11/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box → ☐

PTO/SB/08B (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO*

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

4

of

Complete if Known

Application Number	09/923,179
Filing Date	8/6/2001
First Named Inventor	Wheeler et al.
Group Art Unit	2132
Examiner Name	ZAND, Kambiz
Attorney Docket Number	10399-34382

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
KA	34.	Entity Authentication Using Public Key Cryptography, FIPS Publication 196, February 18, 1997, pp. 1-52	
KA	35.	Computer Data Authentication, FIPS Publication 113, May 30, 1985, (web site at www.itl.nist.gov/fipspubs/fip113.htm), date of capture 1/16/01, pp. 1-7	
KA	36.	Hettinga's Best of the Month, Journal of Internet Banking and Commerce, March 31, 1999, (web site at http://www.arraydev.com/commerce/JIBC/9801-20.htm), pp. 1-4	
KA	37.	The Electronic Commerce Challenge, Journal of Internet Banking and Commerce, March 31, 1999, (web site at http://www.arraydev.com/commerce/JIBC/9811-06.htm), pp. 1-2	
KA	38.	Sales Brochure for APPROVEIT, electronic approval management software, by SilanisTechnology, Inc., July 18, 2000, pp. 1-12	
KA	39.	Public Key Infrastructure, An NSS Group White Paper, by Bob Walder, undated, reprinted from website http://www.nss.co.uk/WhitePapers/PublicKeyInfrastructure.htm on January 25, 2001, pp. 1-18	
KA	40.	Smart Card & Security Basics, Cardlogix, Inc. brochure, Ref. date: Q1-Q2 2000, pp. 3-36	
KA	41.	Understanding Public Key Infrastructure (PKI), Technology White Paper, by RSA Security, Inc., 1999, pp. 1-10	
KA	42.	An Overview of Smart Card Security, Chan, Siu-cheung Charles, August 17, 1997, reprinted from website http://home.hkstar.com/~alanchan/papers/smartCardSecurity/ on January 27, 2001, pp. 1-7	
KA	43.	Technical Introduction to CIP 3.0, Taschler, Scott, September 30, 1997, reprinted from website http://www.datakey.com/cardpage/cip.htm on January 25, 2001, pp. 1-6	
KA	44.	Smart Cards: Enabling Smart Commerce in the Digital Age, CREC/KPMG White Paper (Draft), May 1998, pp. 1-22	

Examiner
Signature

[Handwritten Signature]

Date
Considered

2/11/05

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

+

+

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Kn wn

Application Number	09/923,179
Filing Date	08/06/2001
First Named Inventor	Wheeler et al.
Group Art Unit	2132
Examiner Name	ZAND, Kambiz
Attorney Docket Number	10399-34383

(use as many sheets as necessary)

Sheet

5

of

5

Attorney Docket Number

10399-34383

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

[illegible]

RECEIVED
JAN 29 2003
Technology Center 2100

**Examiner
Signature**

Date
Consider d

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

+